

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT:

Buechler, et al.

FILING DATE:

October 12, 2000

GROUP:

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE |
|---------------------|----|-----------------|----------|------------------|-------|--------------|----------------|
| gfg | AA | 4,727,019 | 02/23/88 | Valkirs, et al. | | | |
| gfg | AB | 5,458,852 | 10/17/95 | Buechler, et al. | | | |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATION YES NO |
|---------------------|----|--------------------|---------------------|------------------------------------|-------|--------------|-----------------------|
| | AC | 3922873 | 12.07.89 | Germany (Katus, et al.) | | | |
| | AD | 0394819 | 18.04.90 | EPO (Katus, et al.) | | | |
| gfg | AE | 2248688 | 14.04.92 | GB(Jackowski) | | | |
| | AF | 4243648 | 23.12.92 | Germany (Lill, et al.) | | | |
| | AG | 4405249 | 23.02.93 | Germany (Larue, et al.) | | | |
| | AH | 2116066 | 02.21.94 | Canada (Larue, et al.) | | | |
| gfg | AI | 9413774 | 23.06.94 | WO/PCT (Powell, et al.) | | | |
| gfg | AJ | 2275774 | 07.09.94 | UK (Larue, et al.) | | | |
| gfg | AK | 9427156 | 24.11.94 | WO/PCT (Wicks, et al.) | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|-----|----|--|
| gfg | AL | Adams, et al., "Comparable Detection of Acute Myocardial Infarction by Creatine Kinase MB Isoenzyme and Cardiac Troponin I," Clin. Chem. 40:1291-1295 (1994) |
| | AM | Anderson, et al., "Troponin T Isoform Expression in Humans," Circul. Res. 69:1226-1233 (1991) |

EXAMINER:

Dorlene B. Patel

DATE CONSIDERED:

9/17/01

EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant

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| FORM PTO-1449 | ATTY. DOCKET NO. 030691.0008.CON1 | SERIAL NO. |
| LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | APPLICANT: Buechler, et al. | |
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| gng | AN | Ball, et al., "Isoform Specific Interactions of Troponin I and Troponin C Determines pH Sensitivity of Myofibrillar Ca ²⁺ Activation," <u>Biochem.</u> 33:8464-8471 (1994) |
| gng | AO | Bhavsar, et al., "Development expression of troponin I isoforms in fetal human heart," <u>FEBS Letters</u> 292:5-8 (1991) |
| gng | AP | Bhayana, et al., "Discordance Between Results for Serum Troponin T and Troponin I in Renal Disease," <u>Clin. Chem.</u> 41:312-317 (1995) |
| gng | AQ | Blechner, et al., "4Ca ²⁺ Troponin C Forms Dimers in Solutions at Neutral pH that Dissociate upon Binding Various Peptides: Small-Angle X-ray Scatterin Studies of Peptide-Induced Structural Changes," <u>Biochem.</u> 31:11326-11334 (1992) |
| gng | AR | Bodor, et al., "Development of Monoclonal Antibodies for an Assay of Cardiac Troponin-I and Preliminary Results in Suspected Cases of Myocardial Infarction," <u>Clin. Chem.</u> 38:2203-2214 (1992) |
| | AS | Borrebaeck, ed., Index, Antibody Engineering: A Practical Approach, Oxford University Press, Oxford (1995) |
| gng | AT | Burtnick, et al., "The isolation and characterization of the tropomyosin binding component (TN-T) of bovine cardiac troponin," <u>Can. J. Biochem.</u> 54:546-553 (1976) |
| gng | AU | Byers, et al., "Hydrodynamic Properties of Bovine Cardiac Troponin-I and Troponin-T*," <u>J. Biol. Chem.</u> 258:2951-2954 (1983) |
| | AV | Chomczynski and Sacchi, "Single-step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," <u>Analytical Bio</u> 162: 156-159 (1987) |
| gng | AW | Collins, et al., "Early Diagnosis of Acute Myocardial Infarction with Use of a Rapid Immunochemical Assay of Creatine Kinase MB Isoenzyme," <u>Clin. Chem.</u> 39:1725-1728 (1993) |
| gng | AX | Cummins, et al., "Cardiac Specific Troponin-I Radioimmunoassay in the Diagnosis of Acute Myocardial Infarction," <u>American Heart Journal</u> 113:1333-1344 (1987) |
| | AY | Glaser, et al., "Antibody Engineering by Codon-Based Mutagenesis in a Filamentous Phage Vector System," <u>J. Immunology</u> 149:3903-3913 (1992) |
| | AZ | Harlow and Lane, Index, Antibodies, A Laboratory Manual, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY (1988) |
| gng | BA | Horwitz et al., "Interaction of Troponin Subunits," <u>J. Biol. Chem.</u> 254:350-355 (1979) |

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| EXAMINER: <i>Gailene B. Brehl</i> | DATE CONSIDERED: <i>9/17/01</i> |
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| gng | BB | Huse, et al., "Application of a Filamentous Phage pVIII Fusion Protein System Suitable for Efficient Production, Screening and Mutagenesis of F9ab) Antibody Fragments," <u>J. Immunol.</u> 149:3914-3920 (1992) |
| | BC | Kabat, et al., Sequences of Proteins of Immunological Interest - Volume II , 5th edition, U.S. Department of Health and Human Services, Publish Health Service- National Institutes of Health, 1250-1312, 1350-1460 and 1571-1588 (1991) |
| gng | BD | Katus, et al., "Diagnostic Efficiency of Troponin T Measurements in Acute Myocardial Infaction," <u>Circulation</u> 83:902-912 (1991) |
| gng | BE | Katus, et al., "Intracellular Compartmentation of Cardiac Troponin T and Its Release Kinetics in Patients with Reperfused and Nonreperfused Myocardial Infarction," <u>Am. J. Cardiol.</u> 67:1360-1367 (1991) |
| gng | BF | LaRue, et al., "New Monoclonal Antibodies as Probes for Human Cardiac Troponin I: Epitopic Analysis with Synthetic Peptides," <u>Molecular Immunology</u> 29:271-278 (1992) |
| gng | BG | Leavis, et al., "Calcium Binding to Cardiac Troponin C 1,2," <u>Arch. Biochem. Biophys.</u> 186:411-415 (1978) |
| gng | BH | Liao, et al., "Coupling of Calcium to the Interaction of Troponin I with Troponin C from Cardiac Muscle," <u>Biochem.</u> 33:12729-12734 (1994) |
| gng | BI | MacGeoch, et al., "The human cardiac troponin I locus: assignment to chromosome 19p13.2-19q13.2," <u>Hum. Genet.</u> 88:101-104 (1994) |
| gng | BJ | Metzger, et al., "Skeletal troponin C reduces contractile sensitivity to acidosis in cardiac myocytes from transgenic mice," <u>Proc. Natl. Aca. Sci. USA</u> 90:9036-9040 (1993) |
| gng | BK | Olah, et al., "A Model Structure of the Muscle Protein Complex 4Ca ²⁺ TroponinC Troponin I Derived From Small-Angle Scattering Data: Implications for Regulation," <u>Biochem.</u> 33:12800-12806 (1994) |
| gng | BL | Olah, et al., "Troponin I Encompasses and Extended Troponin C in the Ca ²⁺ - Bound Complex: A Small- Angle X-ray and Neutron Scattering Study," <u>Biochem.</u> 33:8233-8239 (1994) |
| gng | BM | Pearlstone, et al., "Effects of Troponin-I Plus-C on the Binding of Troponin -T and its Fragments to Tropomyosin," <u>J. Biol. Chem.</u> 258:2534-2542 (1983) |
| gng | BN | Pearlstone, et al., "The interaction of rabbit skeletal muscle troponin-T fragments with troponin-I," <u>Can. M. Biochem. Cell. Biol.</u> 63:212-218 (1985) |
| gng | BO | Pluskal, et al., "Immunobilon PVDF Transfer Membrane: A new Membrane Substrate for Western Blotting of Proteins," <u>BioTechniques</u> 4:272-283 (1986) |

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| 808 | BP | Potter, "Preparation of Troponin and Its Subunits," <u>Methods in Enzymology</u> 85:241-263 (1982) |
| 808 | BQ | Sai-Ming Ngai, et al., "Biologically Important Interactions between Synthetic Peptides of the N-Terminal Region of Troponin I and Troponin C*," <u>J. Biol. Chem.</u> 267:15615-15723 (1992) |
| 808 | BR | Schreier, et al., "Cloning, Structural Analysis, and Expression of the Human Slow Twitch Skeletal Muscle/Cardiac Troponin C Gene*," <u>J. Biol. Chem.</u> 265:21247-21253 (1990) |
| | BS | Silver, et al., "Modulation of vascular and cardiac contractile protein regulatory mechanisms by calmodulin inhibitors and related compounds," <u>Chemical Abstracts</u> 105:72-73 at abstract no. 108490k (1986) |
| | BT | Steiner, et al., "The interaction of melittin with troponin C," <u>Chemical Abstracts</u> 107:263 at abstract No. 196471 (1987) |
| 808 | BU | Stull, et al., "Phosphorylation of Cardiac Troponin by Cyclic Adenosine 3':5'-Monophosphate-dependent Protein Kinase*," <u>J. Biol. Chem.</u> 252:851-857 (1977) |
| 808 | BV | Townsend, et al., "Human Cardiac Troponin T: Identification of Fetal Isoforms and Assignment of the TNNT2 Locus to Chromosome 1q," <u>Genomics</u> 22:311-316 (1994) |
| 808 | BW | Vallins, et al., "Molecular cloning of human cardiac troponin I using Polymerase chain reaction," <u>FEBS Letters</u> 270:57-61 (1990) |
| 808 | BX | Wilkinson, et al., "Comparison of amino acid sequence of troponin I from different striated muscles," <u>Nature</u> 271:31-35 (1978) |
| 808 | BY | Wu, et al., "Creatine Kinase MB Isoforms in Patients with Skeletal Muscle Injury: Ramifications for Early Detection of Acute Myocardial Infaction," <u>Clin. Chem.</u> 38:2396-2400 (1992) |
| 808 | BZ | Zabel, et al., "Analysis of Creatine Kinase, CK-MB, Myoglobin, and Troponin T Time-Activity Curves for Early Assessment of Coronary Artery Reperfusion After Intravenous Thrombolysis," <u>Circulation</u> 87:1542-1550 (1993) |
| 808 | CA | Zot, et al., "Structural Aspects of Troponin-Tropomyosin Regulation of Skeletal Muscle Contraction," <u>Am. Rev. Biophys. Chem.</u> 16:535-559 (1987) |
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EXAMINER:

Anilene B. Gishel

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